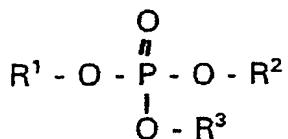


Claims

1. A compound of the formula (I)



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in which R¹ is a residue selected from cholesterol, diacylglycerols, dialkylglycerols, acylalkylglycerols, ceramides, primary or secondary alcohols having 12 to 24 C atoms or acylglycerobenzyl ethers, R² is a residue selected from ethanolamine, N-methylethanolamine, propanolamine, choline, glycerol, oligoglycerols, glycoglycerols or serine, each of which may optionally comprise protective groups, and R³ is a radical selected from C₁-C₈-alkyl or C₁-C₈-alkenyl or has the meaning of R².

2. The compound as claimed in claim 1, characterized in that R¹ is a cholesterol residue.

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3. The compound as claimed in claim 1, characterized in that R¹ is a 1-octadecyl-2-methyl-sn-glycerol residue.

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4. The compound as claimed in any of the preceding claims, characterized in that R² is a glycerol residue.

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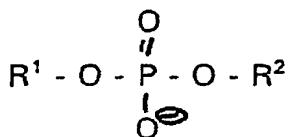
5. The compound as claimed in any of the preceding claims, characterized in that R³ is a glycerol residue.

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6. The compound as claimed in any of the preceding claims, selected from cholesteryl-phospho-diglycerol, cholesteryl-phospho-glycerol-glyceroglycerol, cholesteryl-phospho-di-

glycoglycerol, 1,2-dimyristoyl-sn-glycero-3-
phospho-diglycerol, 1,2-dipalmitoyl-sn-glycero-3-
phospho-diglycerol, 1,2-distearoyl-sn-glycero-3-
phospho-diglycerol, 1,2-dioleoyl-sn-glycero-3-
phospho-diglycerol, 1,2-dioleoyl-sn-glycero-3-
phospho-di-glycoglycerol, 1,2-dioleoyl-sn-glycero-
3-phospho-di-glyceroglycerol.

7. A process for preparing a compound according to
10 formula (I) as claimed in any of claims 1 to 6,
characterized in that a compound of the formula
(II)



15 is esterified with a compound of the formula (III)
 $\text{HO}-\text{R}^3$.

8. A liposome comprising a compound as claimed in any
20 of claims 1 to 6.

9. A medicament comprising a compound as claimed in
any of claims 1 to 6 or a liposome as claimed in
claim 7.

- 25 10. The use of a compound as claimed in any of claims
1 to 6 or of a liposome as claimed in claim 8 for
producing a medicament for the treatment of
cancer.

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